

**THIS DOCUMENT
REPLACES SAFC 5198, 10 Apr,
WHICH SHOULD NOW BE DESTROYED.**

SAPC 5198
Copy 10 of 10

10 April 1956

MEMORANDUM FOR: Executive Officer, OTR

SUBJECT : Additional Administrative Arrangements for Travel
of Certain Personnel to [] on Tuesday, 1 May 1956

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1. As a follow-up on our telephone conversation several days ago, I can now advise you that [] a member of the Project ACHITOMI Headquarters Staff, will travel to [] with the six individuals who are the subject of a memorandum I wrote last week to the Deputy Director of Training. While not exactly functioning as a Case Officer per se, [] will act as a representative of Project Headquarters and will be the intermediary for any communications or directives required between these people at [] and this Headquarters. It is our plan that he would fly down with these six individuals in a special flight which you propose would leave Washington National Airport at 0800 on 1 May.

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2. Arrangements for the transportation of these people from their hotel in Washington to the airport will be made by this Headquarters. Such transportation will be so timed as to arrive at the airport approximately 15 minutes prior to take-off time. An identical arrangement will be worked out for the return flight on Friday, which you tell me will leave [] at approximately 1730, as soon as you can give me an approximate ETA in Washington.

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3. Also in confirmation of our discussion, it is our belief that your idea of billeting these individuals separately in [] and for providing sleeping facilities for them in this structure separate from the balance of the base personnel is the best plan. [] will billet with the six named individuals in the separate room which you told me was available.

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JAMES A. CUNNINGHAM, JR.
Director of Administration
PCS/DCI

JAC:msh

Orig - addressee

2 - Proj Dir

3 - D/Proj Dir

4 - []

5 - []

6 - D/Ops

7 - Pilot Recruitment

8 - SO

9 - Det A File

10 - chrono

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SUBJECT: Abstract of Baird Associates Report on "Solar and Celestial Navigation" Volumes I and II

c. The third part of the report deals with instrumentation required for various celestial navigation systems. Particular attention is given to the field of transistorized servo systems and radiation detectors for an automatic sun or star tracker.

d. The next section deals with the mathematical considerations necessary for transformation of coordinates from a system based on the sub-polar axis to one based on the earth's polar axis and the errors likely to be encountered in a gravitational determination of the vertical.

e. Part five of the report presents brief resumes of trip reports related to the navigation field.

f. The final part of the report is drawn from various studies of a long range rather than immediate nature. The section dealing with a daytime star tracker was originally prepared under contract AF33 (616) - 2574 with USAF. It arrives at a general set of design recommendations. There is also a computation of star visibility at various altitudes employing visual as well as optically magnified viewers. The last section outlines considerations for a two or three armed sextant in order to view two or three stars simultaneously. This appears to be rather cumbersome.

Enclosures:

- 1 - SAPC 4338 Copy 1 of 2
- 2 - SAPC 4338 Copy 2 of 2

Distribution:

- Orig - R. M. Bissell, Jr.
- 2 - Master
- 3 - Chrono
- 4 - Reading ✓

RAK:lmw (10 April 1956)

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SECRET